

1 What is claimed is:

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3 1. An outer rotor type motor comprising:
4 a stator having an outer circumference on which a coil is wound;
5 a rotor provided to leave a predetermined interval from an outside of the stator, the
6 rotor rotating when a current is applied to the coil; and
7 a frame having a fixing means for fixing the rotor wherein the fixing means is built in
8 one body of an inner circumference of the frame.

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10 2. The outer rotor type motor as claimed in claim 1, wherein a tip of the frame
11 is bent inward to form the fixing means as a fixing part to clamp a topside of the rotor.

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13 3. The outer rotor type motor as claimed in claim 2, wherein the fixing part is
14 bent to have a 'channel' shape.

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16 4. The outer rotor type motor as claimed in claim 2, wherein a guide groove is
17 formed on the topside of the rotor brought contact with the fixing part.

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19 5. The outer rotor type motor as claimed in claim 1, wherein the frame is made
20 of a metal-based material.

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22 6. A washing machine comprising:
23 an outer tub holding water;
24 an inner tub in the outer tub to hold a laundry;

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25 an outer rotor type motor comprising:

26 a stator having an outer circumference on which a coil is wound;

27 a rotor provided to leave a predetermined interval from an outside of
28 the stator, the rotor rotating when a current is applied to the coil; and

29 a frame having a fixing means for fixing the rotor wherein the fixing
30 means is built in one body of an inner circumference of the frame; and

31 a shaft connecting the motor to the inner tub.

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33 7. The washing machine as claimed in claim 6, wherein a tip of the frame is
34 bent inward to form the fixing means as a fixing part to clamp a topside of the rotor.

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36 8. The washing machine as claimed in claim 7, wherein the fixing part is bent to
37 have a 'channel' shape.

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39 9. The washing machine as claimed in claim 7, wherein a guide groove is
40 formed on the topside of the rotor brought contact with the fixing part.

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42 10. The washing machine as claimed in claim 6, wherein the frame is made of a
43 metal-based material.